BRUHATH BANGALORE MAHANAGARA PALIKE - DASARAHALLI ZONE

SCHEDULE - B

Name of Work: Detailed Estimated for Improvements to RCC Drain & Concrete roads at Shettyhalli bad reaches, in Ward No-12, in Shettyhalli Sub Division

Sl. No.	Approximate Qty	Description	Unit	Sanctioned Estimate Rate	
				In Figures	In words
1	2	3	4	5	6
1	1688.55	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5	Cum	151.74	Rs. One hundred and fiftyone & Seventyfour paise only
2	351.00	Excavation and removal of silt or silt mixed with sand in slussy condition from cannel beg, including disposal of the same in soil bank ion cannel the embackment in layer as directed extc, complete with intial lead upto 50 mtr and all lift.	Cum	107.00	Rs. One Hundred and Seven only
3	1377.00	Removing B.S.Slab of drain and stacking..	Sqm	49.18	Rs. Fortynine & Eighteen Paise only
4	1377.00	Refixing stone slabs of drains and pointing in CM (1:3).	Sqm	68.74	Rs. SixtyEight & Seventy Four paise only
5	546.00	Sand Filling in Foundation Trenches as per Drawing & Technical Specification. MORTH Specification No. 304	Cum	2098.44	Rs. Two Thousand NinetyEight & FortyFour paise only
6	262.80	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, using 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregate @ 0.465cum machine mixed, concrete laid in layers not exceeding 15cms Thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	4497.12	Rs. Four Thousand Four Hundred and Ninetyseven & Twelve paise only
7	175.20	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams.	Cum	6464.88	Rs. Six thousand Four hundred and SixtyFour & EightyEight paise only

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1	2	3	4	5	6
8	20.00	(II) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per Drawing & Technical Specification. Complete as per Specifications. MORTH Specification no. 2605	m	137.16	Rs. One Hundred and Thirtyseven & Sixteen Paise only
9	74.52	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm	1963.60	Rs. One thousand nine hundred and sixty three & sixty paise only
10	100.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450x200x400 mm	No	316.44	Rs. Three hundred and sixteen & fortyfour paise only
11	36.00	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Cum	23.76	Rs. Twenty three & Seventysix paise only
12	36.00	Painting two cots after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Cum	51.84	Rs. Fifty one & Eighty four paise only
13	8535.00	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm	2.59	Rs. Two & Fiftynine paise only
14	280.35	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A Plant Mix Method. close graded granular sub-base Material as per 400-1. For Grading – II Material.	Cum	1015.20	Rs. One thousand fifteen & twenty paise only
15	467.25	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406	Cum	1121.04	Rs. One thousand one hundred and twenty one & four paise only

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1	2	3	4	5	6
16	1869.00	Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries Complete as per Specifications. low porosity	Sqm	80.78	Rs. Eighty & Seventyeight paise only
17	8535.00	Tack coat:- Providing and laying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/Granular surface cleaned with mechanical broom. Complete as per specifications. MORTH Specification No. 503. using bitumen emulsion	Sqm	11.99	Rs. Eleven & Ninetynine paise only
18	93.45	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75 mm compacted thickness with 3.3% bitumen but excluding cost of primer/ tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. With 80/100 Grade bitumen	Cum	6646.32	Rs. Six thousand six hundred and fortysix & Thirtytwo paise only
19	341.40	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, Transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. 30-45mm compacted thickness (Grading II) with 6% Bitumen 80/100 grade using 40-60 HMP.	Cum	11504.16	Rs. Eleven thousand Five hundred and four & Sixteen paise only
20	341.40	Carriage of mixed materials 10 Kms. For items of Sl.no 1.c) rs. 5.20 per cum/km	Cum	56.16	Rs. Fiftysix & Sixteen paise only

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1	2	3	4	5	6
21	2039.55	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20	Cum	72.71	Rs. Seventytwo & Seventyone paise only

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